

AMENDMENTS TO THE CLAIMS

1. (Original) A discharge device, which comprises a plurality of discharge electrodes and a counter electrode facing the plurality of discharge electrodes, for causing a streamer discharge to be initiated between both the electrodes by applying a cyclically varying voltage to both the electrodes from electric power supply means, wherein: the following relational expression is satisfied:

$$fv \geq fs$$

where (fv) is the frequency of the voltage which is applied to both the electrodes and (fs) is the frequency of the streamer discharge which is generated, in the form of a pulse, between both the electrodes.

2. (Original) The discharge device of claim 1, wherein:

if $k = 40[\text{mm/kHz}]$, the following relational expression is satisfied:

$$fv \geq k/G$$

where (fv)[kHz] is the frequency of the voltage which is applied to both the electrodes and (G)[mm] is the distance between both the electrodes.

3. (Original) The discharge device of claim 1 or claim 2, wherein:

the following relational expression is satisfied:

$$fv \geq 20[\text{kHz}]$$

where (fv)[kHz] is the frequency of the voltage which is applied to both the electrodes.

4. (Currently amended) The discharge device of ~~one of claims 1-3~~ claim 1, wherein:

the following relational expression is satisfied:

$$V_{p-p} \leq 0.1 \times V_a$$

where (V_a) and (V_{p-p}) are, respectively, the average voltage and the amplitude for the voltage which is applied to both the electrodes.

5. (Currently amended) An air purification device, which comprises a discharge device for causing a streamer discharged to be initiated between a discharge electrode and a counter electrode, for purifying air to be treated by distributing the air to be treated between both the electrodes, wherein:

the aforesaid discharge device is any one of the discharge devices as set forth in ~~claims 1-4~~ claim 1.